LIVE SOUND SOLUTIONS

Studiomaster

Studiomaster

UNIT II,
TORC MK

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USER GUIDE

Digitrack18

DIGITAL MIXER

IMPORTANT SAFETY SYMBOLS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.

The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.

Protective grounding terminal

~ Alternating current/voltage   **ON:** Denotes the apparatus is turned on

⚡ Hazardous live terminal   **OFF:** Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

1. IMPORTANT SAFETY INSTRUCTIONS

· **Read these instructions.**

· **Keep these instructions.**

· **Heed all warning.**

· **Follow all instructions.**

· **Water & Moisture**
The apparatus should be protected from moisture and rain, can not used near water, for example: near bathtub, kitchen sink or a swimming pool, etc.

· **Heat**
The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

· **Ventilation**
Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

· **Object and Liquid Entry**
Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

· **Power Cord and Plug**
Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, refer

to electrician for replacement.

· **Power Supply**
The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

· **Fuse**
To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

· **Electrical Connection**
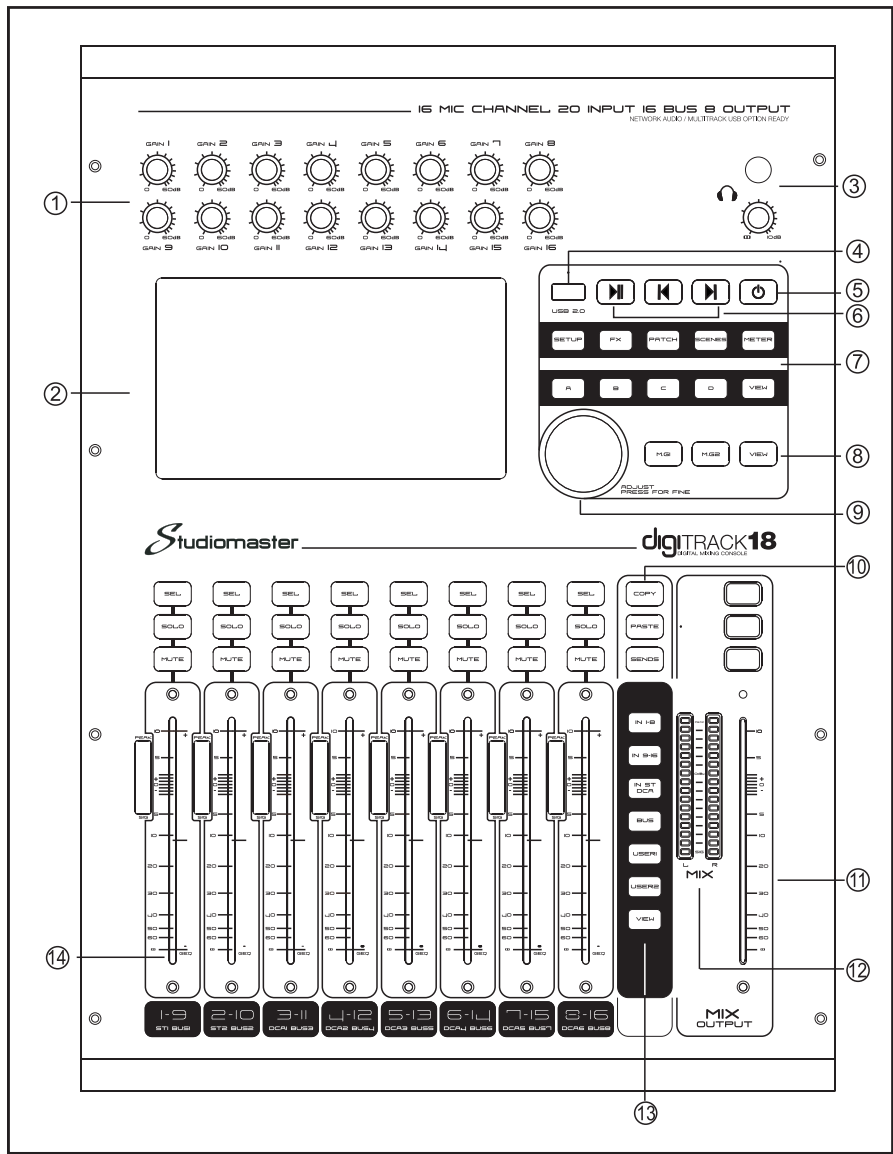Improper electrical wiring may invalidate the product warranty.

· **Cleaning**
Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

· **Servicing**
Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

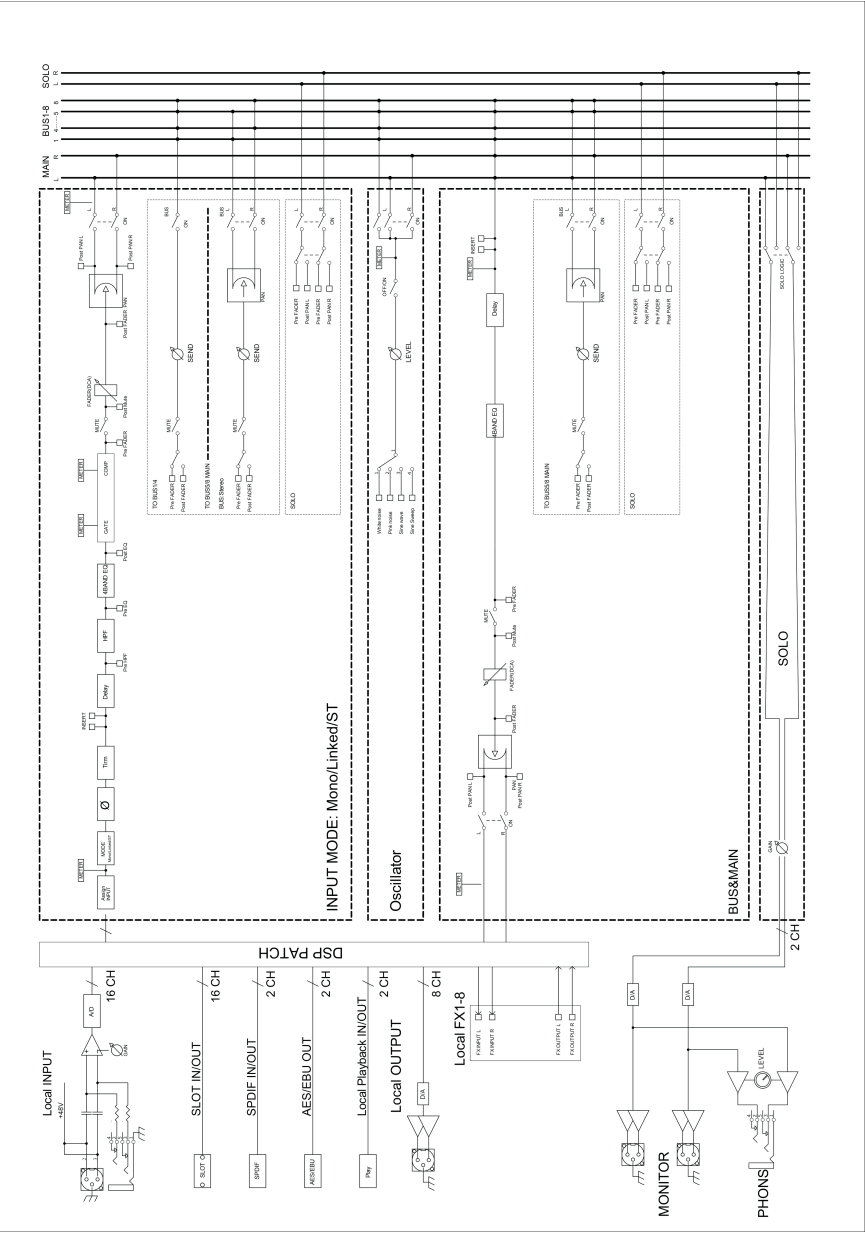· Only use accessories/attachments or parts recommended by the manufacturer.
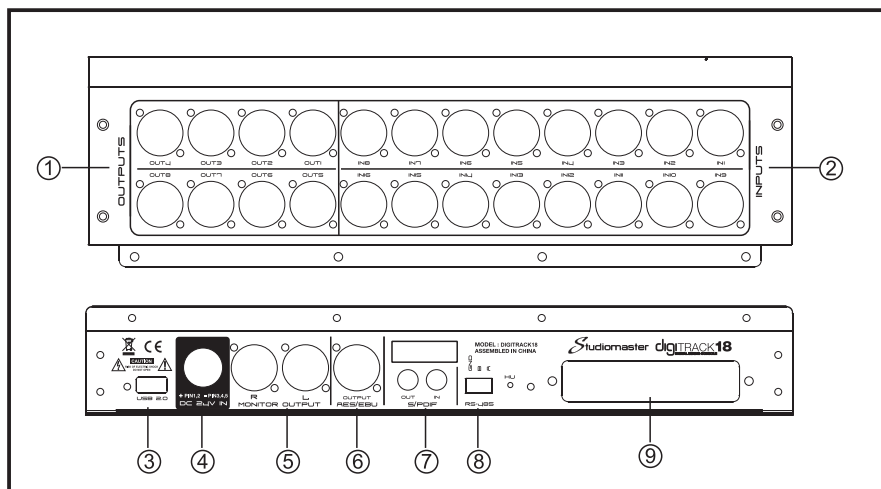
FRONT PANEL

SPECIFICATION

Input channel	20
Bus	16
Stereo bus	1
Effect	2 x modulation, 2 x delay, 2 x reverb, 2 x GEQ
DCA group	6
Mute group	2
User-defined key	Support
User-defined layer	Support
Sampling rate	24bit/48kHz
Local mic input	12 x XLR+4 x COMBO
Local digital input	1 x S/PDIF
Local output	8x XLR
Local digital output	1 x AES/EBU
Monitor output	2x XLR
Headphone output	1x 1/4" TRS
Mic amplifier	16-ch Class A analog
Fader	8 x 110mm channel stripe, 1 x 110mm main channel stripe
Display screen	7" 1024 x 600
Central Control RS485 port	Support
Power supply	AC 100-240V 50/60Hz
Dimension	375*498.5*148.5mm
Net weight	7.5kg

SIGNAL FLOW DIAGRAM

1. Gain knob: adjust the gain to the input channel, adjust the range 0-60dB.

2. Touch display: Operate and control the mixer through touch screen.

3. Headphones: Headphone output connector and volume control knob.

4. USB2.0: You can insert a flash disk to play songs, import and export scenes, etc.

5. Power switch

6. Play: control MP3 playback, pause, previous song, next song and recording.

7. Function

    SETUP - System Functions

    FX - effect

    A. B, C. D - Custom Functions

    VIEW - look over

8. Mute group keys

9. Parameter adjustment knob: Adjust parameters with touch screen.

10. Copy and paste keys: to quickly copy parameters

    from one channel to another.

11. Master fader: with SEL, SOLO, MUTE and motorized fader.

12. 16-band level meter: display the main output level.

13. Layer control keys

    SENDS - Quick Send

    IN9-16 - Channels 9 to 16

    IN ST - DCA Stereo Input and DCA Grouping

    BUS - Bus Channel

    USER1, USER2 - User defined

    VIEW - Look over

14. Channel fader: with SEL, SOLO, MUTE, 8-band level meter and motorized fader.

REAR PANEL

1. Output 1-8:8 XLR output section to transmit analog signals to external devices through
   XLR connectors. Output 7-8 are output main channel signal by default.

2. Input 1-16:16 input section, connect line or microphone to feed audio signal source.

3. USB2. 0: USB interface section, parallel with the one on front panel.

4. Power supply: input 24V DC power supply.

5. Monitor: Transmit stereo monitoring signal.

6. AES/EBU: Transmit AES/EBU digital signal through XLR cable.

7. S/PDIF: S/PDIF digital input and output.

8. RS-485: The mixer can be controlled externally through the RS-485 protocol.

9. Extension slot: For MULTI-TRACK PLUGGABLE REAR MODULE or DANTE
   NETWORK PLUGGABLE REAR MODULE.

DIMENSION DRAWING